

WHAT IS CLAIMED IS:

1. A bumper apparatus for a vehicle comprising a bumper reinforcement made of extruded aluminum base alloy material being formed in a cross-section having two separated vertical portions, an horizontal upper rib, an intermediate horizontal rib and a lower horizontal rib provided therebetween, each end of the upper, intermediate and lower horizontal ribs being connected to upper portions, middle portions and lower portions of the vertical portions respectively, wherein the thickness of the intermediate rib is thicker than the thicknesses of the upper rib and the lower rib to make the upper rib and the lower rib be buckled to deform earlier than the intermediate rib when load is applied to the bumper apparatus, and the thickness of the intermediate rib is not more than to make a strength of the bumper apparatus be over a vehicle body tolerable force.
2. A bumper apparatus for the vehicle according to the claim 1, thickness of the intermediate rib is 1.2 – 2.0 times thicker than the thicknesses of the upper rib and the lower rib.
3. A bumper apparatus for the vehicle according to the claim 1, wherein the upper rib and the lower rib have the same thickness.
4. A bumper apparatus for the vehicle according to the claim 1, wherein a crush box is fixed to the vehicle body, and one side surface of the bumper reinforcement is fixed to the crush box through an intermediate plate provided therebetween.
5. A bumper apparatus for the vehicle according to the claim 2, wherein a crush box is fixed to the vehicle body, and one side surface of the bumper

reinforcement is fixed to the crush box through the intermediate plate provided therebetween.

5 6. A bumper apparatus for vehicle according to the claim 4, wherein an impact energy is absorbed by deforming the upper rib and the lower rib, the intermediate plate member, the crush box in order, and finally the intermediate rib.

10 7. A bumper apparatus for vehicle according to the claim 5, wherein the impact energy is absorbed by deforming the upper rib and the lower rib, the intermediate plate member, the crush box in order, and finally the intermediate rib.